

Size: 30,997 acres
Mission: Provide training and reserve support
HRS Score: 37.40; placed on NPL in July 1987
IAG Status: Federal Facility Agreement signed in September 1991
Contaminants: Heavy metals, petroleum/oil/lubricants, chlorinated solvents and PCBs
Media Affected: Groundwater, surface water, sediment, and surface and subsurface soil
Funding to Date: \$33.8 million
Estimated Cost to Completion (Completion Year): \$102.2 million (FY2045)
Final Remedy in Place or Response Complete Date for All Sites: FY2021



Pemberton Township, New Jersey

Restoration Background

In FY79 through FY82, the installation evaluated the Fort Dix Sanitary Landfill and 16 other sites, including storage areas, underground storage tanks (USTs), landfills, lagoons, impact areas, and an incinerator. Heavy metals, petroleum/oil/lubricants, and chlorinated solvents were suspected in the soil and groundwater. The installation placed a series of groundwater monitoring wells around the perimeter of the landfill.

In FY93, the installation performed site characterization and field screening at several sites. USTs and associated contaminated soil were removed from seven sites. Fort Dix also formed a technical review committee (TRC) consisting of regulators, local residents, and installation personnel. In FY94 and FY95, the installation built a multilayer cap over the sanitary landfill and began long-term monitoring (LTM) of groundwater, surface water, and sediment. In July 1995, the BRAC Commission recommended realignment of Fort Dix, allowing it to retain ranges, facilities, and training areas for Reserve Components training.

In FY96, the commander formed a Restoration Advisory Board (RAB) to replace the TRC, in accordance with Army guidance. During FY97, the installation conducted a Remedial Investigation (RI) at the MAG-1 Area.

FY98 Restoration Progress

The installation completed an Environmental Investigation and Alternatives Analysis of 19 sites. It also began RI activities at nine additional sites. Interim Remedial Actions (IRAs) were completed at two sites.

The installation provided the completed groundwater model to regulatory agencies for review and installed additional monitoring wells where needed, for ongoing investigations. LTM of groundwater, surface water, sediment, and air emissions continued at the Fort Dix Sanitary Landfill, a National Priorities List (NPL) site. The Army completed a Mann-Whitney statistical analysis of the data and provided it to the regulatory agencies. A RI, a FS and a natural attenuation addendum were completed for the golf course sites. The installation removed 80 abandoned USTs. An IRA at the Taxi Stand site also was completed. The installation continued RIs for the Armament Research and Development Center (ARDC) site, the Boiler Blowdown site, the Fire Training Tank site, the ANC-9 Landfill site, and the Barnes Building sites and began RI at the New Egypt Army site.

The installation provided numerous technical presentations of Installation Restoration Program (IRP) reports to the RAB. The RAB also received presentations on the statistical analysis of monitoring data from the Fort Dix Sanitary Landfill, the Fort Dix groundwater model, and the MAG-1 site FS. The RAB toured the Fort Dix sewage treatment plant and reviewed all new RI/FS documents made available during the year.

The installation discussed with EPA Region 2 placing the Fort Dix sanitary landfill NPL site on the EPA construction complete list. The installation is also reviewing modifications to the monitoring plan for the NPL Landfill with federal and state regulators. It wants to reduce the number of wells and constituents because the statistical analysis reveals generally decreasing contaminant levels.

Plan of Action

- Continue removing abandoned USTs and begin investigations of contaminated UST sites in FY99
- Incorporate the Fort Dix groundwater flow model into IRP investigations in FY99
- Continue LTM and long-term maintenance of the Fort Dix Sanitary Landfill
- Complete RI/FS for Boiler Blowdown and ANC-9 Landfill in FY99
- Complete RI/FS for Fire Training Tanks, ARDC, New Egypt Armory, and Barnes Building sites in FY00
- Complete the Proposed Plan and the Record of Decision for MAG-1, the Golf Course sites, and 19 other sites in FY99
- Begin the RI/FS for the range landfill site in FY99

FY99 FUNDING BY PHASE AND RELATIVE RISK

